

0375

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Complete if Known

Application Number	(To be assigned)
Filing Date	September 7, 2004
First Named Inventor	Fredrick Mark MANASSEH
Art Unit	(To be assigned)
Examiner Name	(To be assigned)
Attorney Docket Number	101374.55365US

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

/Christopher Chan/

Date Considered

09/14/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP §01.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/506,787
				Filing Date	March 6, 2003
				First Named Inventor	MANASSEH Frederick, Mark et al.
				Art Unit	2146
				Examiner Name	Chan
Sheet	1	of	3	Attorney Docket Number	4257058
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
I.C.C. ↓	1	US-6212178 B1	4-3-2001	BECK	
	2	US-5353618	10-4-1994	Crick	
	3	US-6404857	6-11-2002	Blair et al.	
	4	US-4821118 A	4-11-1989	LAFRENIERE	fig. 10, col. 9 line 44-68, col. 11 line 8 - col 12 line 16, col. 13 line 1-22
	5	US-6097429	8-1-2000	SEELY et al.	abstract, col. 8 Line 31-col. 9 line 5, col. 13 line 5 - col. 14 line 17
	6	US-6559769	5-6-2003	ANTHONY et al.	abstract, fig. 6, col. 4 line 48 - col. 5 line 6, col. 17 line 44 - col. 19 line 6
	7	US-2001/0043697 A1	11-22-2001	COX et al.	abstract, page 1, paragraph 15
	8	US-6441734 B1	8-27-2002	GUTTA et al.	abstract
	9	US-2003/0128099 A1	7-10-2003	COCKERHAM	abstract, page 5 par. 51, page 5-6 par. 59, page 7, par 70-71
	10	US-5303045 A	4-12-1994	RICHARDS et al.	abstract
	11	US-5404170 A	4-4-1995	KEATING	abstract
	12	US-5519446 A	5-21-1996	LEE	abstract
	13	US-5742349 A	4-21-1998	CHOI et al.	abstract
	14	US-5790096 A	8-4-1998	HILL, Jr.	abstract
	15	US-5796439 A	8-18-1998	HEWETT et al.	abstract
	16	US-6037991 A	3-14-2000	THRO et al.	abstract
	17	US-6094227 A	7-25-2000	GUIMIER	abstract
	18	US-6111610 A	8-29-2000	FAROUDJA	abstract
	19	US-5091780 A	2-25-1992	POMERLEAU	fig. 2, col. 3, line 57 - col. 6, line 21
	20	US-5307170 A	4-26-1994	ITSUMI et al.	col. 9, lines 25-40
	21	US-5734441 A	3-31-1998	KONDO et al.	fig. 6, col. 8, lines 20-54
	22	US-6028626	2-22-2002	AVIV et al.	
	23	US-6295367	9-25-2001	CRABTREE et al.	
	24	US-4145715	3-20-1979	CLEVER Eric C.	col. 1, line 1 - col. 2, line 24, col. 3 line 33-58



2 of 3

/C.C./	25	US-2002/0087385 A1	7-4-2002	VINCENT	
	26	US-2002/0059283 A1	5-16-2002	SHAPIRO et al.	
	27	US-2002/0010705 A1	1-24-2002	PARK et al.	
	28	US-6345305 B1	2-5-2002	BECK et al.	
	29	US-6230197 B1	5-8-2001	BECK et al.	
	30	US-6170011 B1	1-2-2001	BECK et al.	
	31	US-6167395 A	12-26-2000	BECK et al.	
	32	US-6138139 A	10-24-2000	BECK et al.	
	33	US-6134530 A	10-17-2000	BUNTING et al.	
	34	US-6092197	7-18-2000	COUEIGNOUX	
↓	35	US-6070142	5-30-2000	MCDONOUGH et al.	
	36	US-6014647	1-11-2000	NIZZAR et al.	
	37	US-6330025	12-11-2001	ARAZI et al.	
	38	US-6327343 B1	12-4-2001	EPSTEIN et al.	col. 5 lines 9-65, col. 7 lines 14-65, fig. 3A, fig. 3B
	39	US-6427137 B2	7-30-2002	PETRUSHIN	abstract, col. 6 lines 45-67, col. 8 lines 36-54
	40	US-2003/0059016 A1	3-27-2003	LIEBERMAN et al.	
	41	US-6704409 B1	3-9-2004	DILIP et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Documents	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Country Code ² Number ³ Kind Code ⁴ (if known)				
/C.C./	42	WO 03 013113 A2	2-13-2003	BLAIR et al.		
	43	GB 9916430.3	7-13-1999	Racal		
	44	WO 03 067360 A2	8-14-2003	ELAZAR et al.		
	45	WO 98 01838 A	1-15-1998	SULLIVAN Patrick J.	page 1, line 1 - page 3 line 20, page 6 line 4 - page 9, line 14	
	46	WO 95 29470 A	11-2-1995	KATZ Barry	abstract, page 1, line 4-8, page 5, line 15 - page 10 line 8, page 13 line 21 - page 16, line 22	
↓	47	WO 03 067884 A1	8-14-2003	Yeredor et al.		
Examiner Signature	/Christopher Chan/			Date Considered	09/14/2007	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/506,787	
			Filing Date	March 6, 2003	
			First Named Inventor	MANASSEH Frederick, Mark et al.	
			Group Art Unit	2146	
			Examiner Name	Chan	
Sheet	43	Of	43	Attorney Docket Number	4257/058
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
IC.C./	48	(Hebrew) print from Haaretz, "The Computer at the Other End of the Line", Feb-17-2002			
	49	NiceVision - Secure your Vision, a prospect by NICE Systems, Ltd.			
	50	NICE Systems announces New Aviation Security Initiative, reprinted from Security Technology & Design			
	51	(Hebrew) "the Camera That Never Sleeps" from Yediot Aharonot			
	52	FREEDMAN, I. Closing the Contact Center Quality Loop with Customer Experience Management, Customer Interaction Solutions, Vol. 19, no. 9, March 2001			
	53	PR NEWswire, NICE Redefines Customer Interactions with Launch of Customer Experience Management, 13 June 2000			
	54	PR NEWswire, Recognition Systems and Hyperion to Provide Closed Loop CRM Analytic Applications, 17 November 1999			
	55	Financial companies want to turn regulatory burden into competitive advantage, 24-Feb-2003, printed from InformationWeek, http://www.informationweek.com/story/IWK20030223S0002			
	56	SEDOR - Internet pages form http://www.dallmeier-electronic.com			

Signature	/Christopher Chan/	Considered	09/14/2007
-----------	--------------------	------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



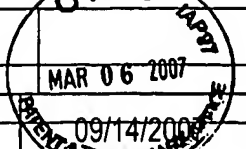
PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known Application Number: 10/506,787 Filing Date: 6 March 2003 First Named Inventor: MANASSEH Frederick, Mark et al. Art Unit: 2146 Examiner Name: Chan Attorney Docket Number: 101374.55365US		
Sheet	1	of	2			
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number <small>Number-Kind Code² (if known)</small>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
I.C.C./ ↓ ↓ ↓ ↓ ↓ ↓ ↓	1	US-7,076,427	7-11-2006	SCARANO et al		
	2	US-6,081,606	6-27-2000	HANSEN ET AL		
	3	US-2002/005898	1-17-2002	KAWADA RYOICHI ET AL		
	4	US-US 2003/0033145	2-13-2003	PETRUSHIN		
	5	US-US 2004/0249650	12-9-2004	FREEDMAN ET AL		
	6	US-2004/0098295	5-20-2004	SARLAY et al		
	7	US-2003/0163360	8-28-2003	GALVIN		
	8	US-2004/0141508	7-22-2004	SCHOENEBERGER et al.		
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Documents <small>Country Code* Number* Kind Code³ (if known)</small>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
I.C.C./ ↓ ↓ ↓	9	WO 02/37856	5-10-2002	DYNAPEL SYSTEMS, INC		
	10	WO 04 091250	21-10-2004	LAIHO, Keijo et al		
	11	EP 1 484 892	8-12-2004	Nortel Networks		
	12	DE10358333	14-7-2005	Siemens AG		
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²	
I.C.C./ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	13	article SERTAINTY - Automated Quality Monitoring - SER Solutions, Inc. - 21680 Ridgetop Circle Dulles, VA - WWW.scr.com				
	14	article SERTAINTY - Agent Performance Optimization - 2005 SE Solutions, Inc				
	15	Lawrence P. Mark SER - White Paper - Sertainty Quality Assurance - 2003 -2005 SER Solutions Inc.				
	16	Douglas A. Reynolds Robust Text Independent Speaker Identification Using Gaussian Mixture Speaker Models - IEEE Transactions on Speech and Audio Processing, Vol 3, No 1, January 1995				
	17	Chaudhari, Navratil, Ramaswamy, and Maes Very Large Population Text-Independent Speaker Identification Using Transformation Enhanced Multi-Grained Models - Upendra V. Chaudhari, Jiri Navratil, Ganesh N. Ramaswamy, and Stephane H. Maes - IBM T.j. Watson Research Centre - October 2000				
	18	Douglas A. Reynolds, Thomas F. Quatieri, Robert B. Dunn Speaker Verification Using Adapted Gaussian Mixture Models - 01-Oct-2000				
	19	Yaniv Zigel and Moshe Wasserblat - How to deal with multiple-targets in speaker identification systems?				
	20	A tutorial on text-independent speaker verification - Frederic Bimbot, Jean Bonastre, Corinn Fredouille, Guillaume Gravier, Ivan Chagnolleau, Sylvian Meigner, Teva Merlin, Javier Ortega Garcia, Dijana Deacretaz, Douglas Reynolds - 8 August 2003				
	21	Yeshwant K. Muthusamy et al - Reviewing Automatic Language Identification IEEE Signal Processing Magazine 33-41				
	22	Marc A. Zissman - Comparison of Four Approaches to Automatic Language				

		Identification of Telephone Speech		
		IEEE Transactions on Speech and Audio Processing, Vol. 4, 31-44		
/C.C./	23	Towards an Automatic Classification Of Emotions In Speech – N. Amir. S. Ron		
Signature		/Christopher Chan/		Considered

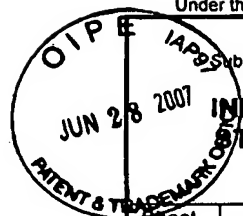
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹. Applicant's unique citation designation number (optional). ². Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete If Known

Application Number 10/506,787
 Filing Date June 15, 2005
 First Named Inventor Fredrick Mark MANASSEH
 Art Unit 8443-2146
 Examiner Name To Be Assigned Chan
 Attorney Docket Number 101374.55385US

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
/C.C./ 						

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)					
TC.C./	AQ	WO 00/73996 A1		12-07-2000	Glebe Systems PTY Ltd		

Examiner
Signature

/Christopher Chan/

Date

Considered

09/14/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.